

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090722\
 Data File : VX031198.D
 Acq On : 08 Sep 2022 08:01
 Operator : JC/MD
 Sample : PB147495ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147495ZHE#02

Quant Time: Sep 08 13:59:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 07 23:22:41 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

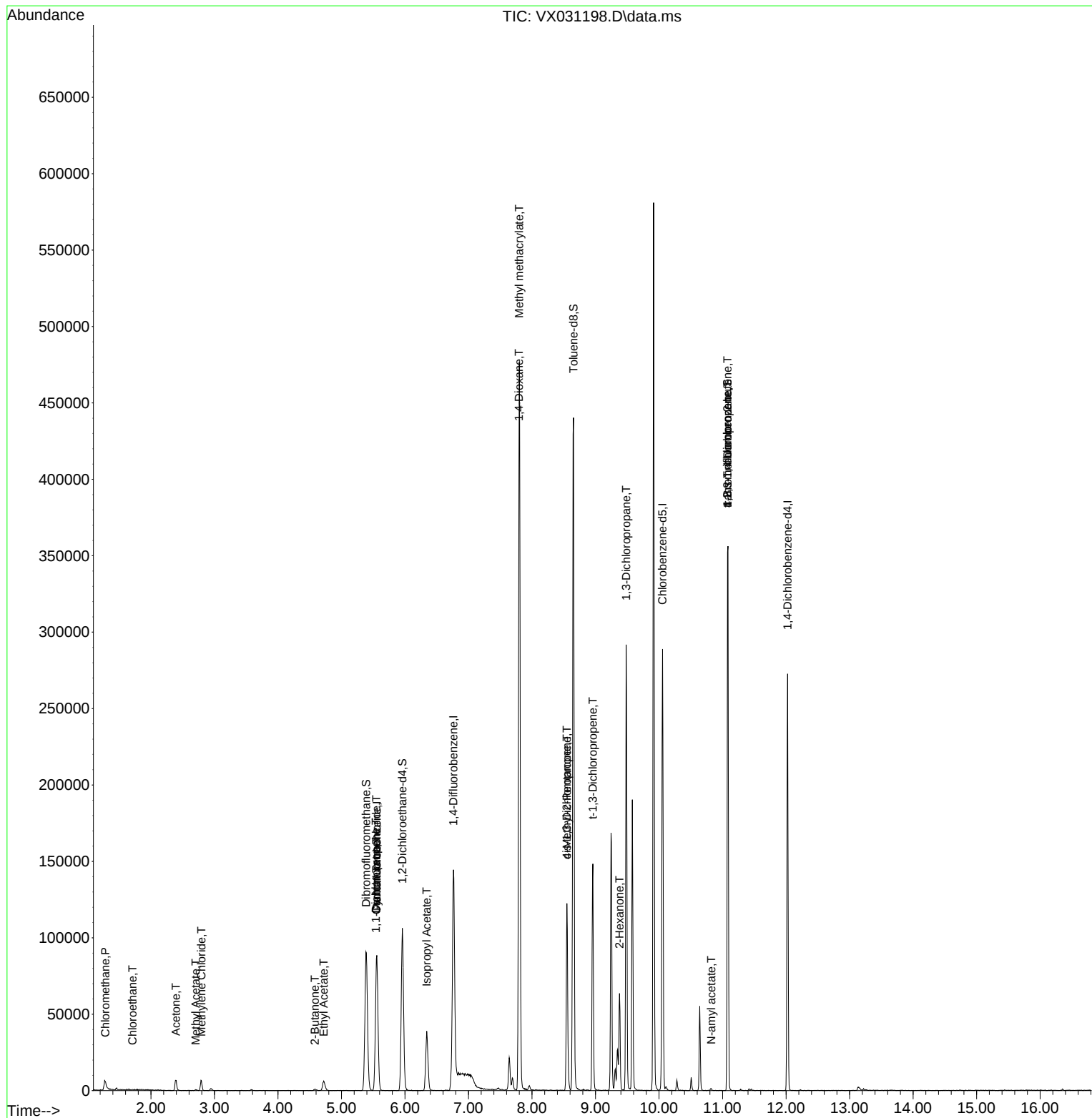
Internal Standards						
1) Pentafluorobenzene	5.556	168	68910	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	133034	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	49069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	111884	68.578	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 137.160%#	
35) Dibromofluoromethane	5.385	113	78823	54.372	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.740%	
50) Toluene-d8	8.653	98	260335	49.426	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.860%	
62) 4-Bromofluorobenzene	11.079	95	101403	52.534	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.060%	
Target Compounds						
						Qvalue
3) Chloromethane	1.282	50	200	0.235	ug/l	# 42
6) Chloroethane	1.709	64	406	0.720	ug/l	# 41
11) Tert butyl alcohol	2.940	59	860	Below Cal	#	74
16) Acetone	2.392	43	8941	15.828	ug/l	# 84
18) Methyl Acetate	2.703	43	961	0.657	ug/l	# 83
20) Methylene Chloride	2.794	84	3358	2.529	ug/l	# 80
25) 2-Butanone	4.580	43	1102	1.317	ug/l	# 79
31) Cyclohexane	5.550	56	1855	1.017	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	7353	3.387	ug/l	# 50
37) Ethyl Acetate	4.721	43	10591	5.499	ug/l	97
38) Carbon Tetrachloride	5.550	117	9315	4.078	ug/l	# 18
43) Isopropyl Acetate	6.342	43	48327	15.915	ug/l	# 95
48) Methyl methacrylate	7.799	41	43723	29.568	ug/l	# 40
49) 1,4-Dioxane	7.793	88	47	1.151	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	41984	22.578	ug/l	# 49
53) t-1,3-Dichloropropene	8.958	75	495	0.213	ug/l	# 42
54) cis-1,3-Dichloropropene	8.549	75	20252	8.099	ug/l	# 61
57) 1,3-Dichloropropane	9.482	76	2682	0.971	ug/l	# 42
59) 2-Hexanone	9.378	43	43161	30.694	ug/l	# 24
74) N-amyl acetate	10.823	43	535	0.394	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	57500	42.937	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	57500	138.467	ug/l	# 12

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

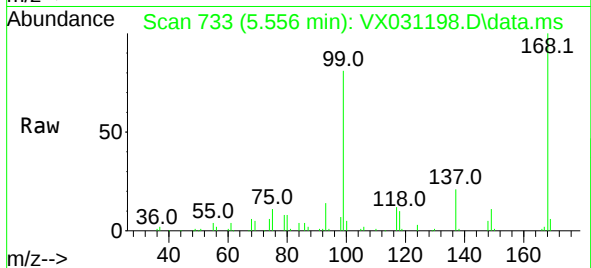
Quant Time: Sep 08 13:59:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090722W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 07 23:22:41 2022
Response via : Initial Calibration



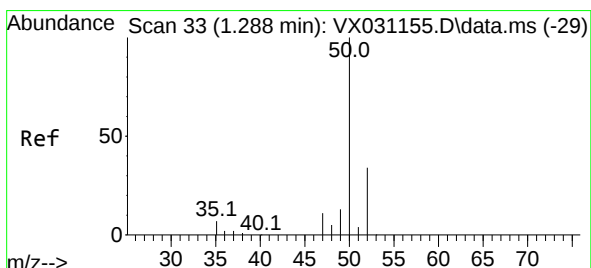
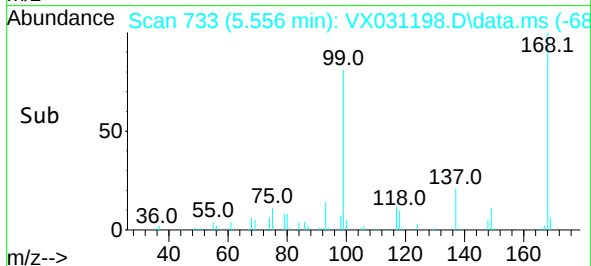
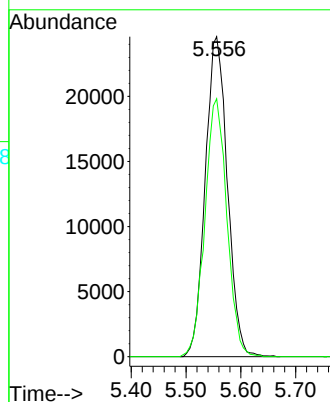


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

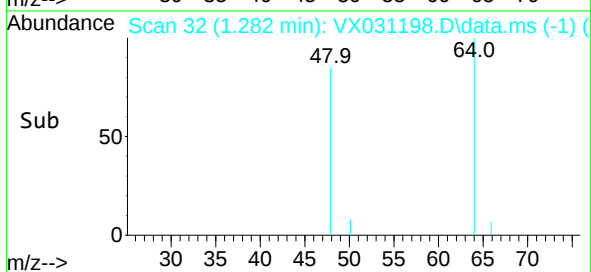
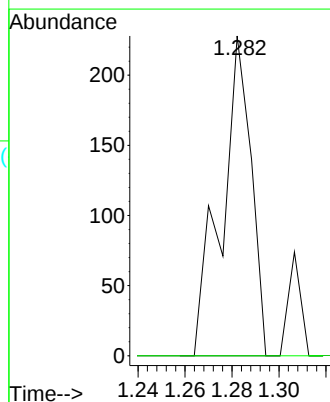
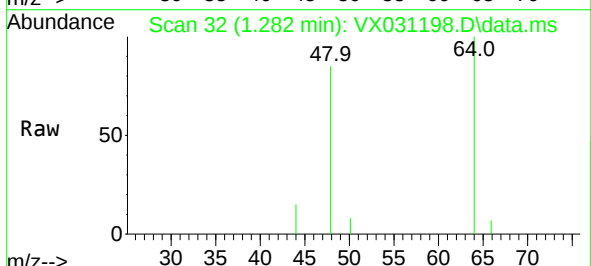


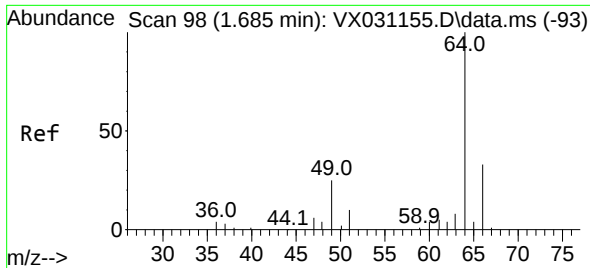
Tgt Ion:168 Resp: 68910
Ion Ratio Lower Upper
168 100
99 80.6 44.0 66.0#



#3
Chloromethane
Concen: 0.235 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 50 Resp: 200
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

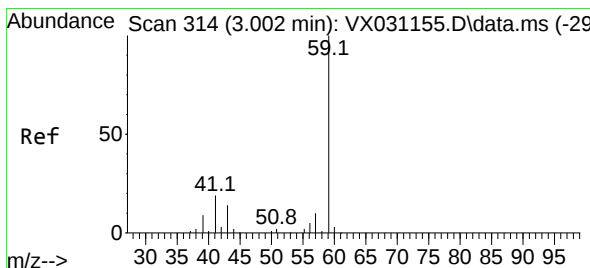
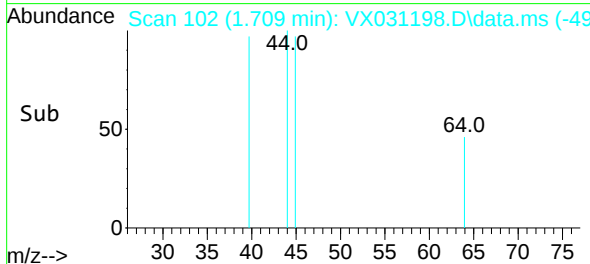
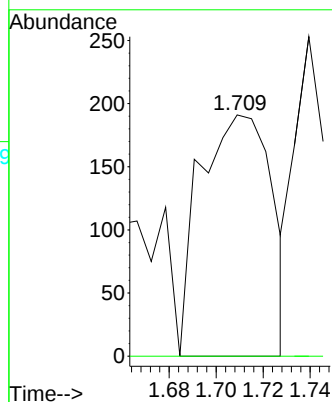
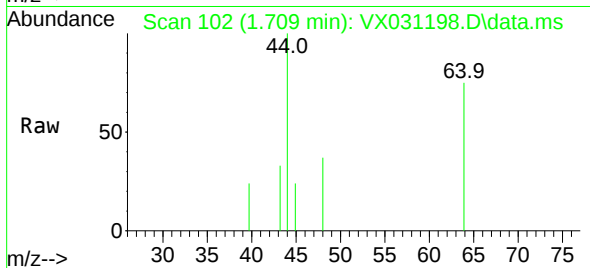




#6
Chloroethane
Concen: 0.720 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

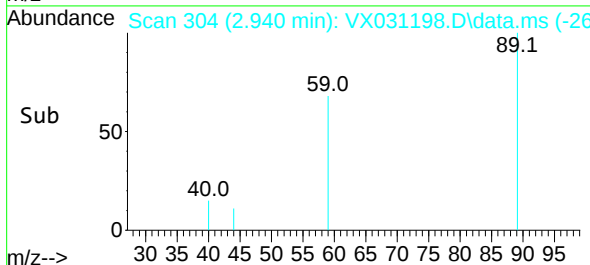
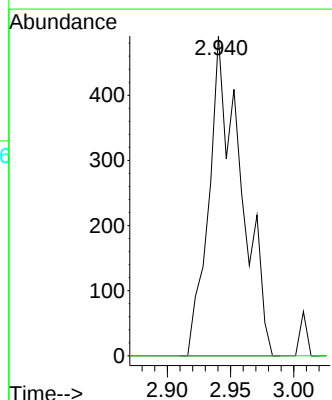
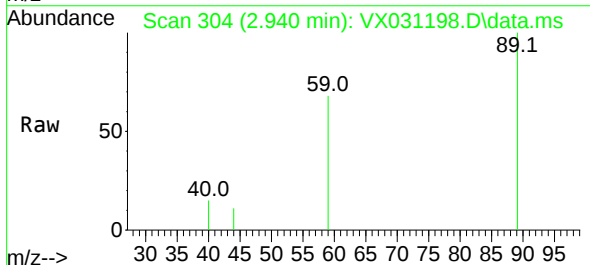
Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

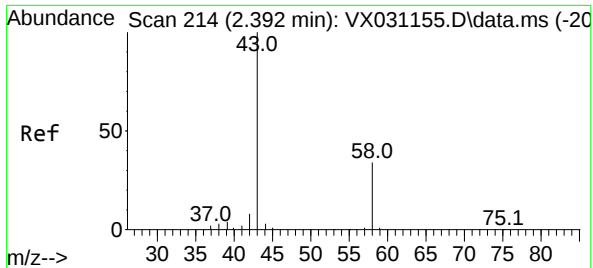
Tgt Ion: 64 Resp: 406
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.062 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 59 Resp: 860
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

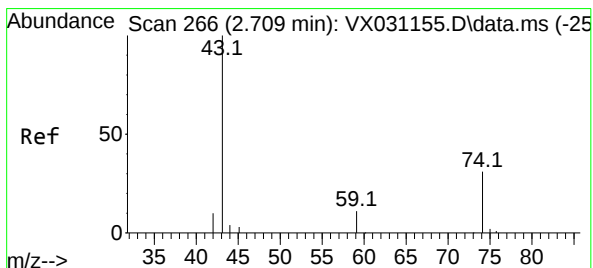
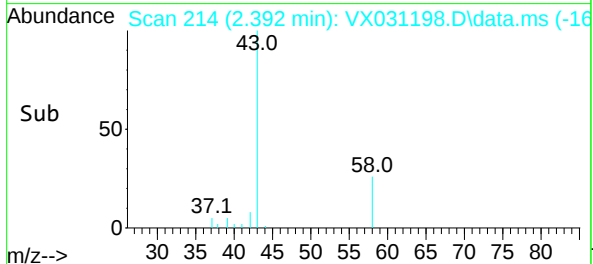
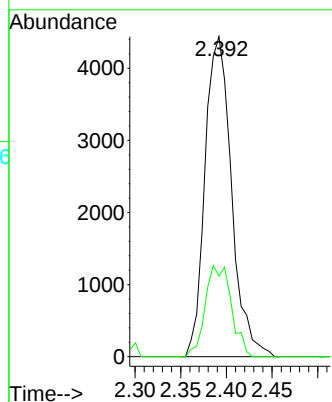
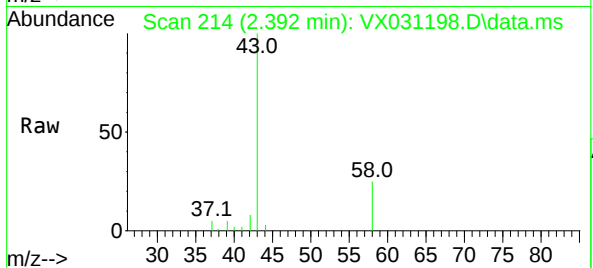




#16
Acetone
Concen: 15.828 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

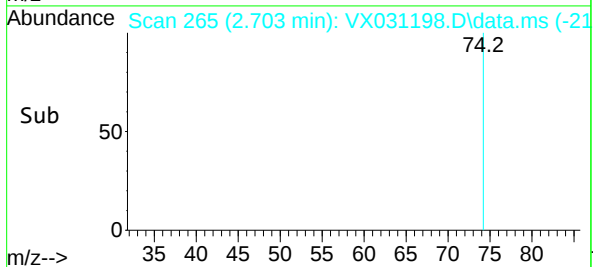
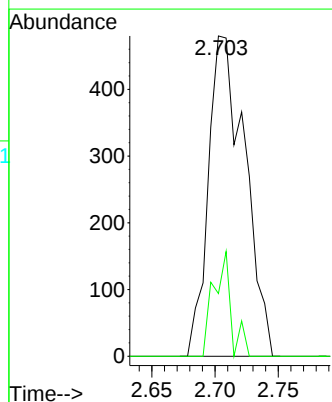
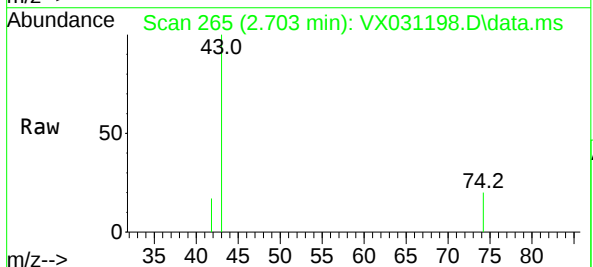
Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

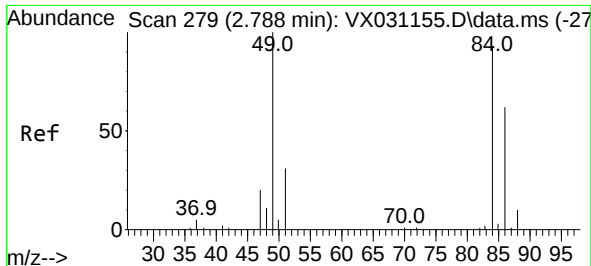
Tgt Ion: 43 Resp: 8941
Ion Ratio Lower Upper
43 100
58 25.3 27.7 41.5#



#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
74 15.8 19.4 29.2#

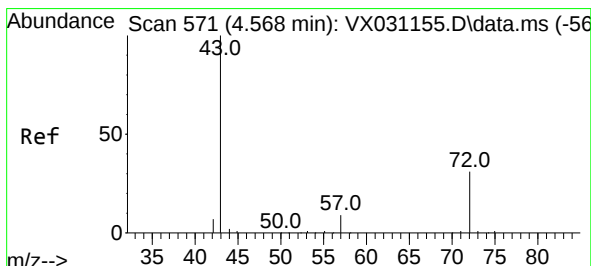
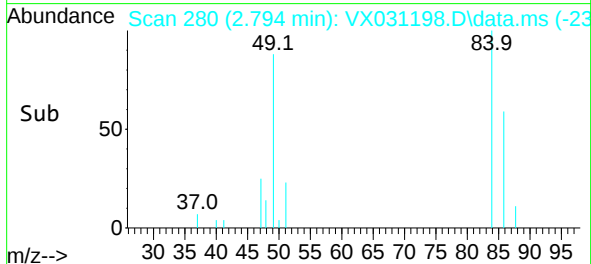
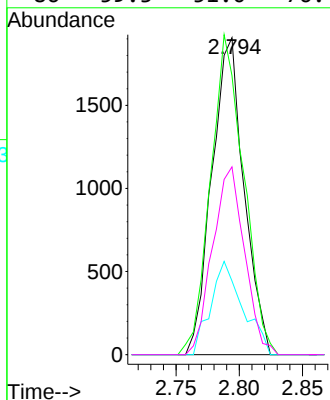
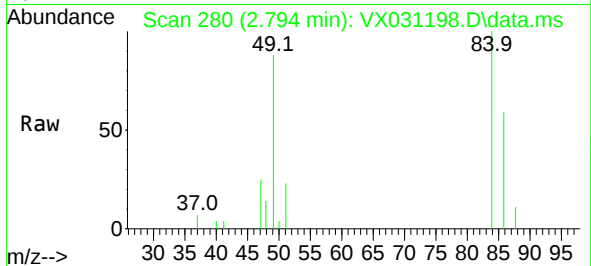




#20
Methylene Chloride
Concen: 2.529 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

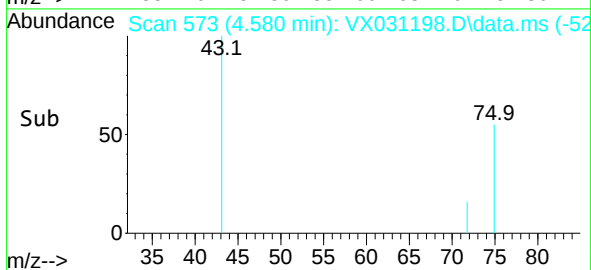
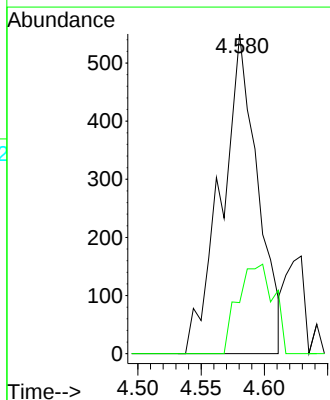
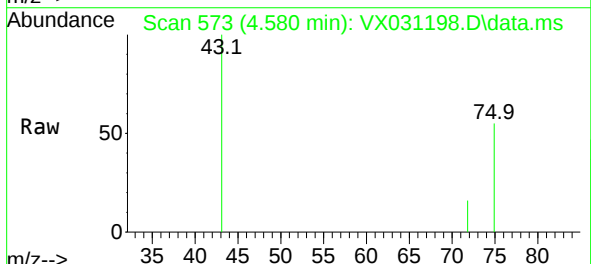
Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

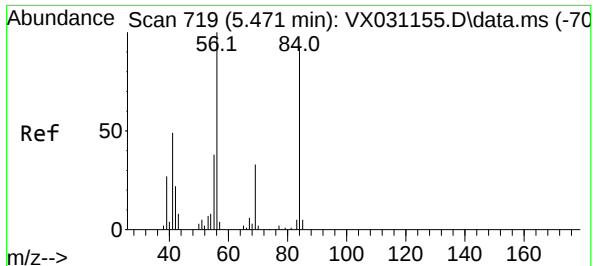
Tgt Ion: 84	Resp: 3358
Ion Ratio	Lower Upper
84 100	
49 88.1	93.8 140.6#
51 23.3	29.4 44.0#
86 59.3	51.0 76.4



#25
2-Butanone
Concen: 1.317 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

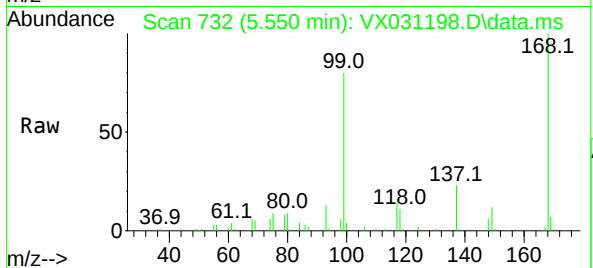
Tgt Ion: 43	Resp: 1102
Ion Ratio	Lower Upper
43 100	
72 16.0	21.7 32.5#



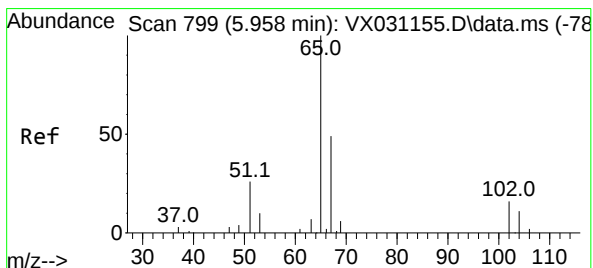
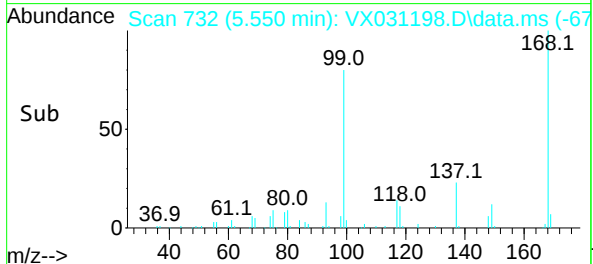
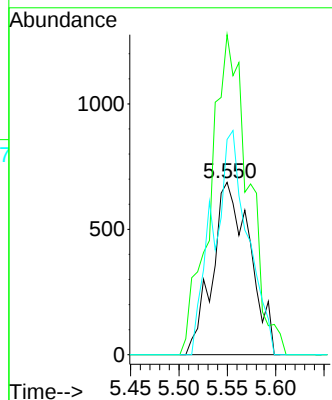


#31
Cyclohexane
Concen: 1.017 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

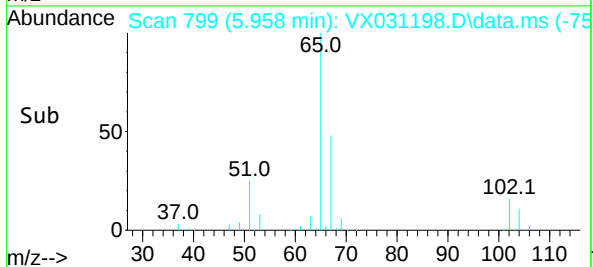
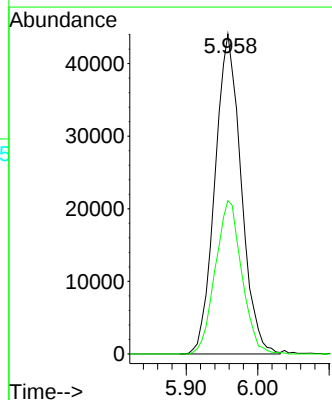
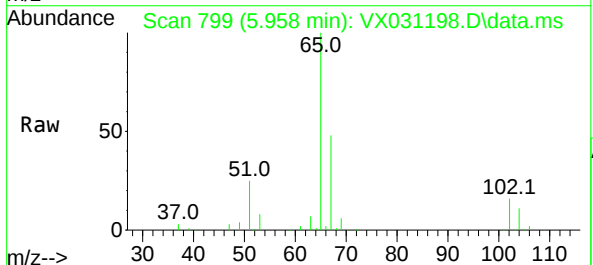


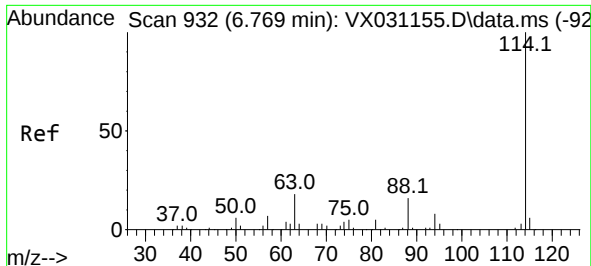
Tgt Ion: 56 Resp: 1855
Ion Ratio Lower Upper
56 100
69 185.7 25.4 38.0#
84 124.9 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 68.578 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 65 Resp: 111884
Ion Ratio Lower Upper
65 100
67 48.5 0.0 109.6

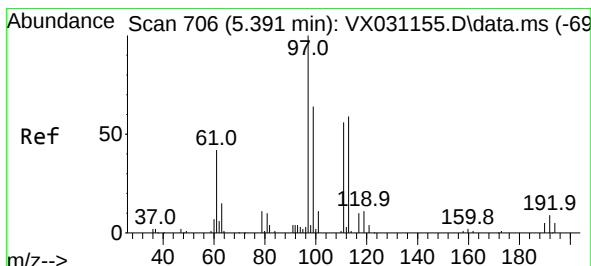
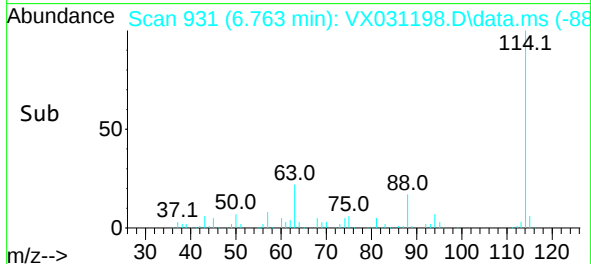
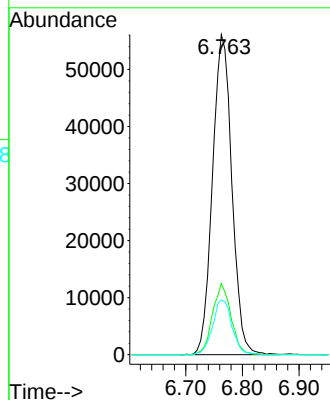
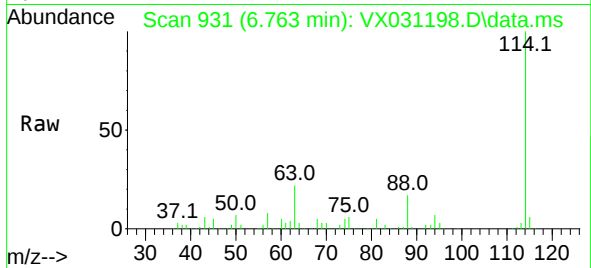




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

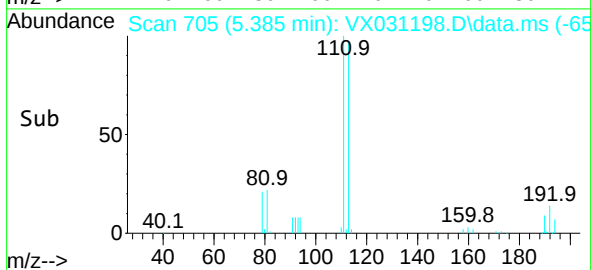
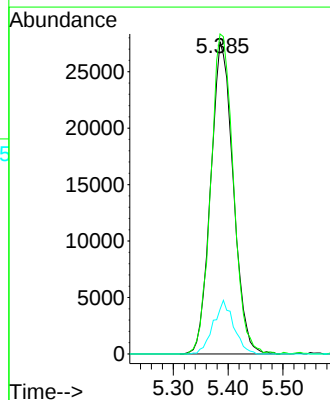
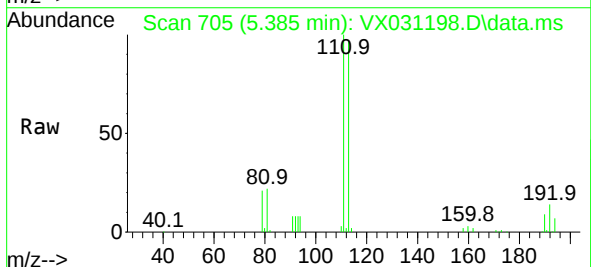
Instrument :
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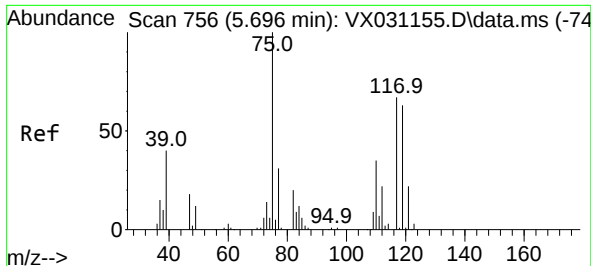
Tgt Ion:114 Resp: 133034
Ion Ratio Lower Upper
114 100
63 22.2 0.0 38.4
88 17.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 54.372 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

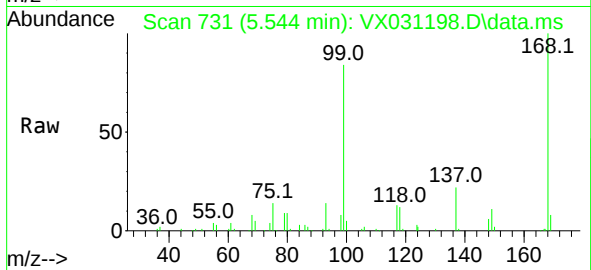
Tgt Ion:113 Resp: 78823
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 15.6 14.8 22.2



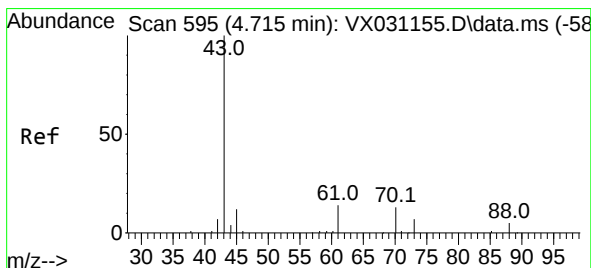
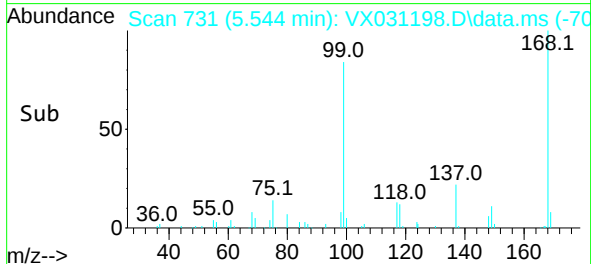
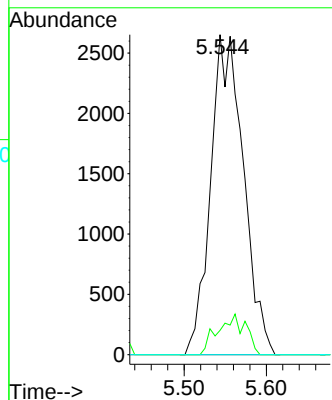


#36
1,1-Dichloropropene
Concen: 3.387 ug/l
RT: 5.544 min Scan# 756
Delta R.T. -0.153 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

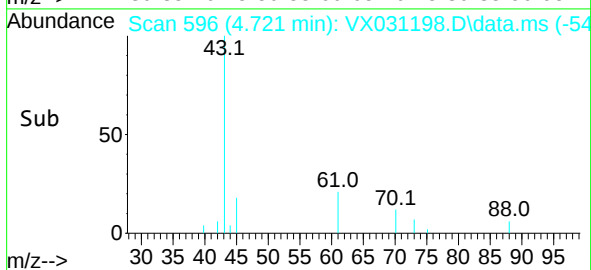
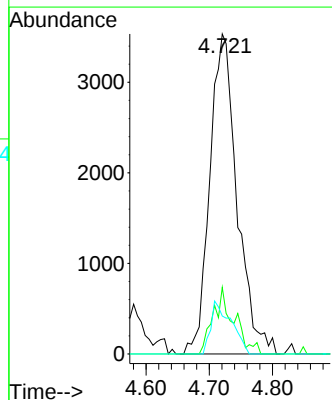
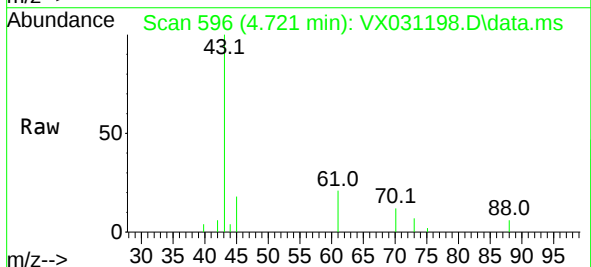


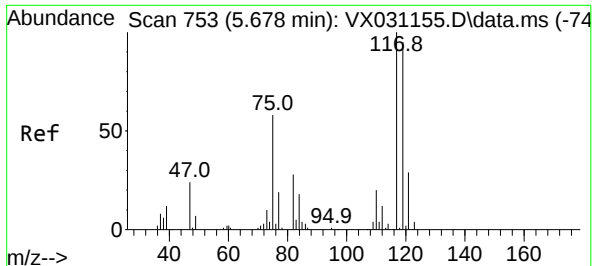
Tgt Ion: 75 Resp: 7353
Ion Ratio Lower Upper
75 100
110 10.7 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 5.499 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

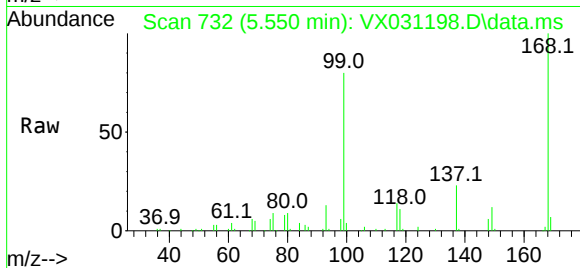
Tgt Ion: 43 Resp: 10591
Ion Ratio Lower Upper
43 100
61 16.0 11.7 17.5
70 12.3 9.3 13.9



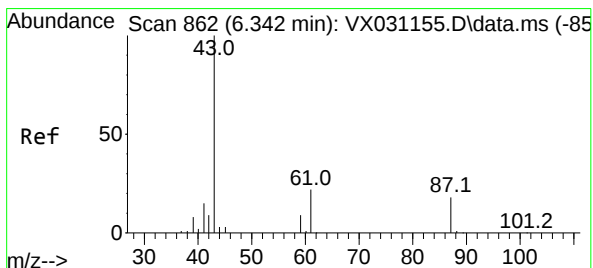
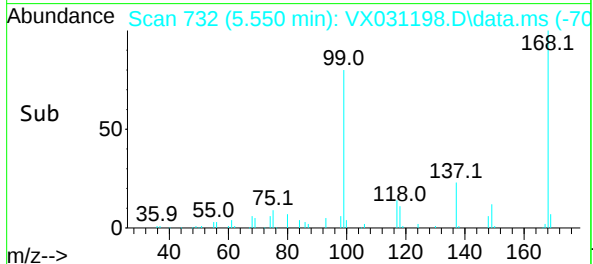
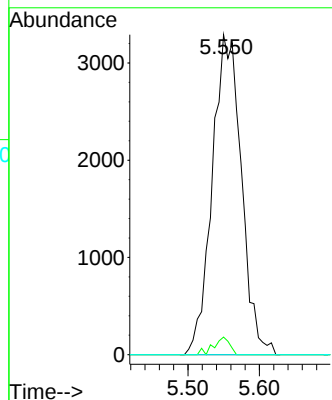


#38
Carbon Tetrachloride
Concen: 4.078 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

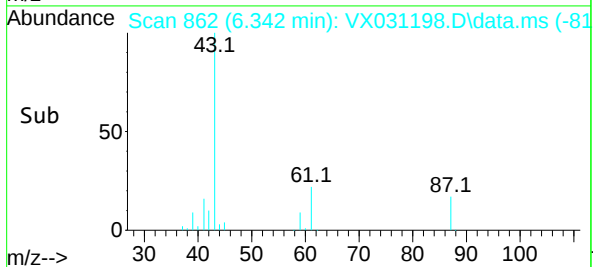
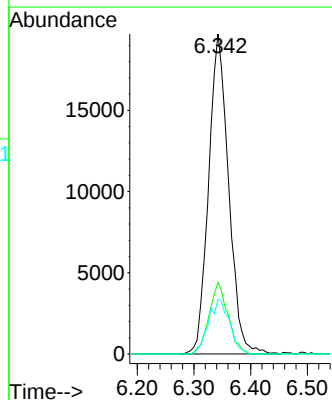
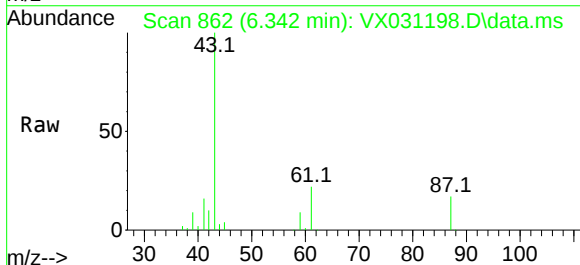


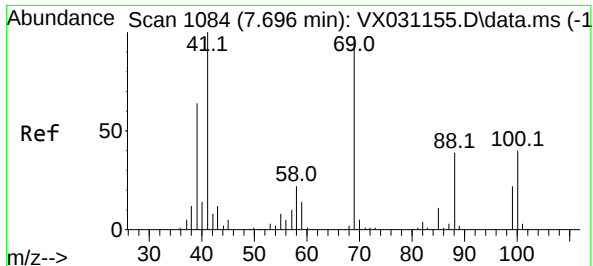
Tgt Ion:117 Resp: 9315
Ion Ratio Lower Upper
117 100
119 5.5 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 15.915 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 43 Resp: 48327
Ion Ratio Lower Upper
43 100
61 21.2 16.5 24.7
87 17.9 11.1 16.7#





#48

Methyl methacrylate

Concen: 29.568 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

Instrument :

MSVOA_X

ClientSampleId :

PB147495ZHE#02

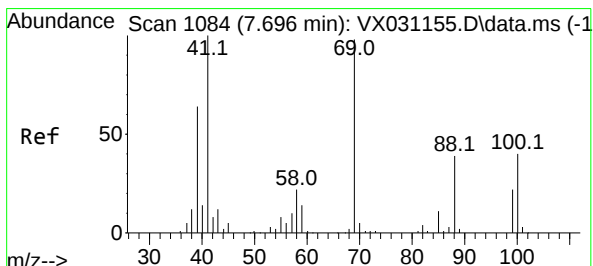
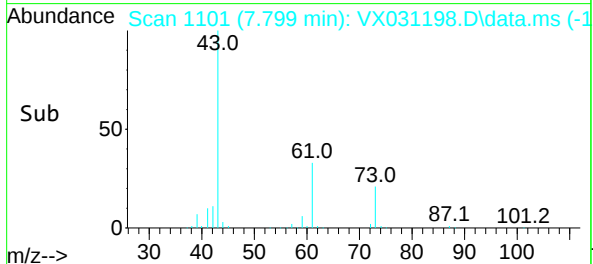
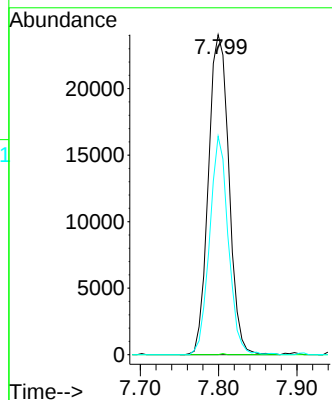
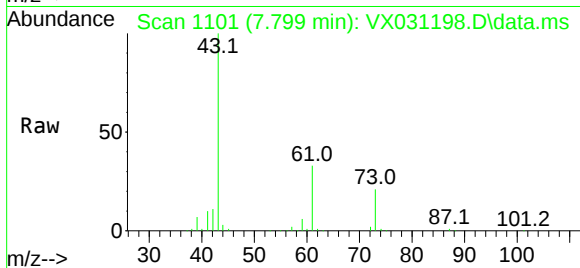
Tgt Ion: 41 Resp: 43723

Ion Ratio Lower Upper

41 100

69 0.1 68.8 103.2#

39 62.2 44.6 66.8



#49

1,4-Dioxane

Concen: 1.151 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.097 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

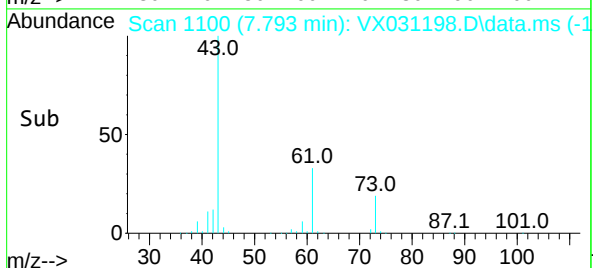
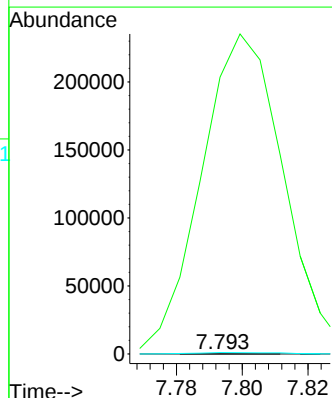
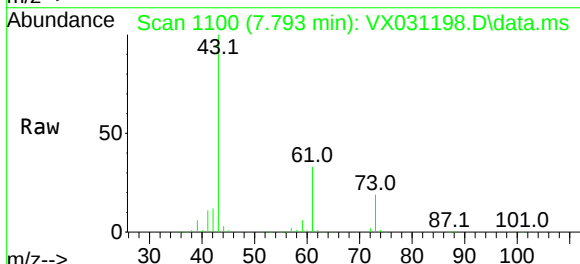
Tgt Ion: 88 Resp: 47

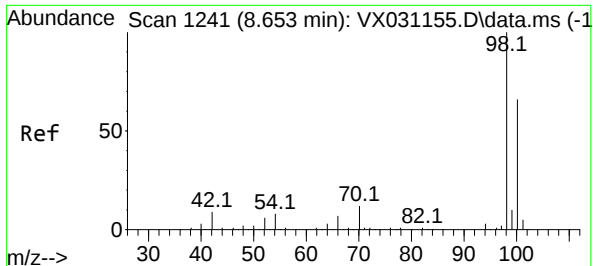
Ion Ratio Lower Upper

88 100

43 879125.5 23.8 35.8#

58 3991.5 53.8 80.6#





#50

Toluene-d8

Concen: 49.426 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

Instrument :

MSVOA_X

ClientSampleId :

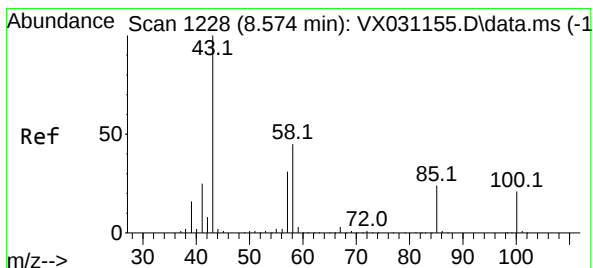
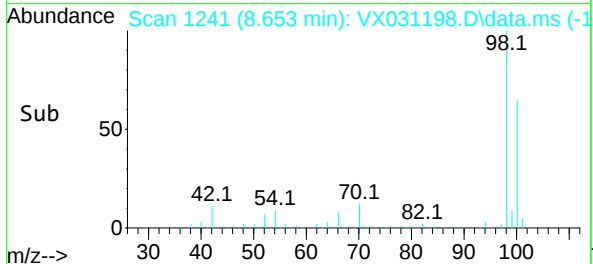
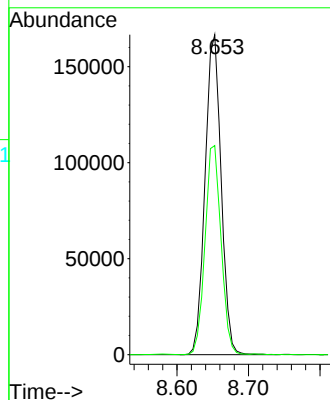
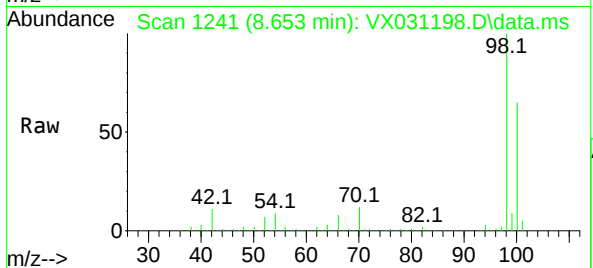
PB147495ZHE#02

Tgt Ion: 98 Resp: 260335

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 22.578 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX031198.D

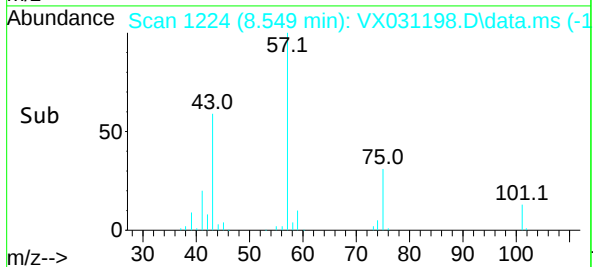
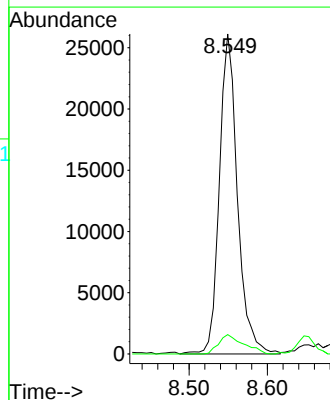
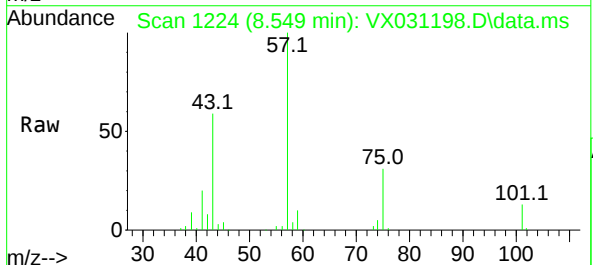
Acq: 08 Sep 2022 08:01

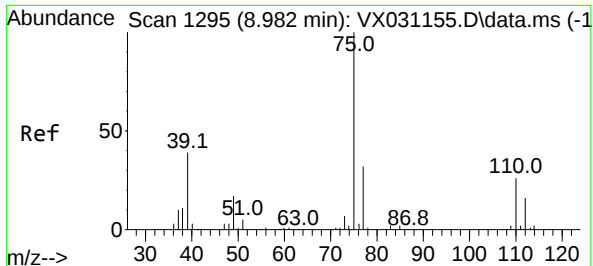
Tgt Ion: 43 Resp: 41984

Ion Ratio Lower Upper

43 100

58 8.3 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.213 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

Instrument :

MSVOA_X

ClientSampleId :

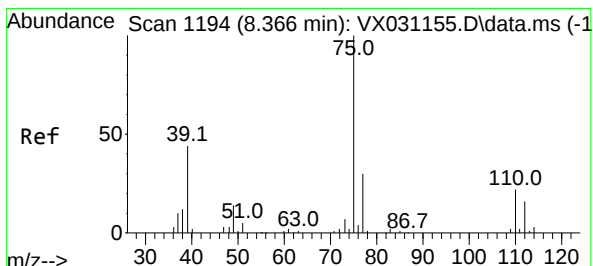
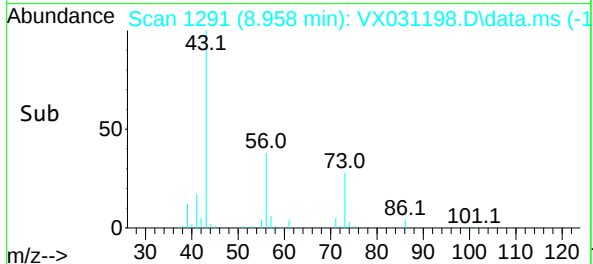
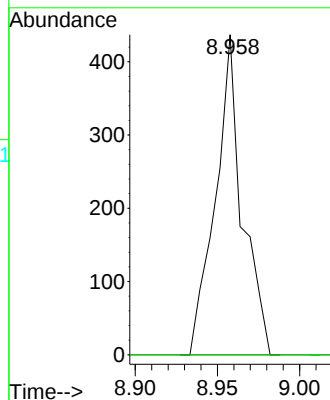
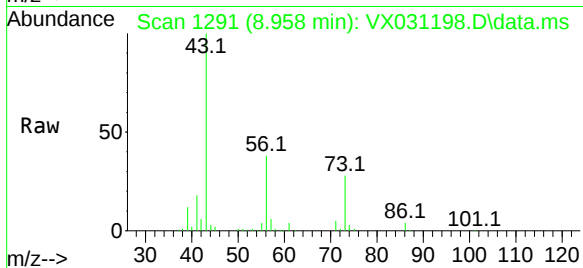
PB147495ZHE#02

Tgt Ion: 75 Resp: 495

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 8.099 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

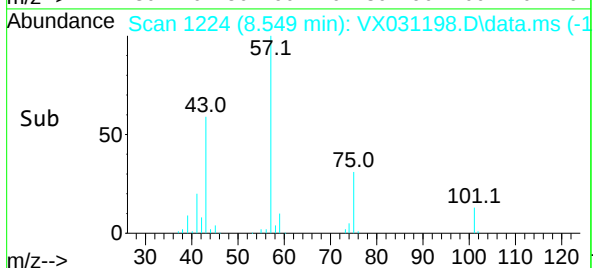
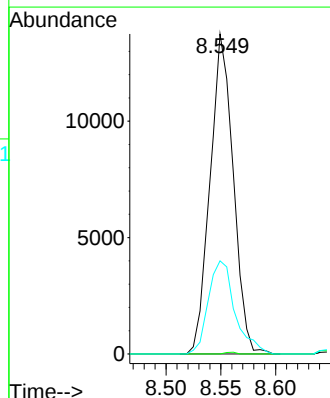
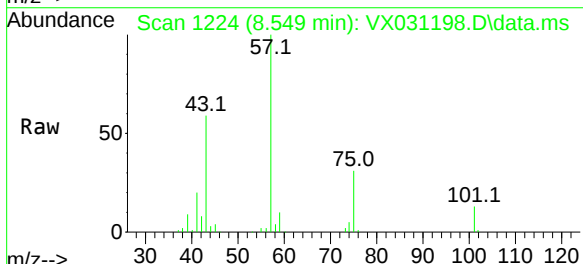
Tgt Ion: 75 Resp: 20252

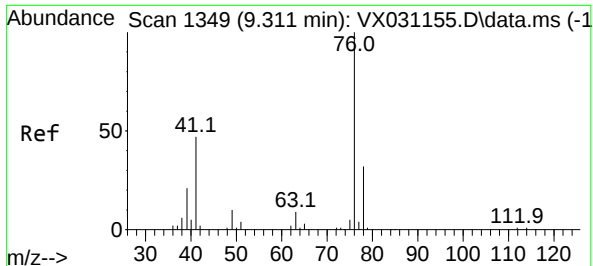
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 29.1 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 0.971 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

Instrument :

MSVOA_X

ClientSampleId :

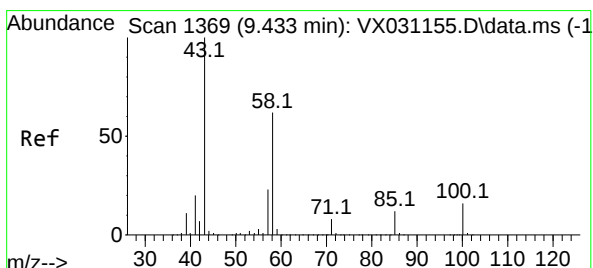
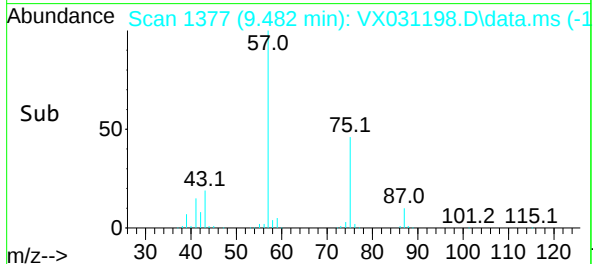
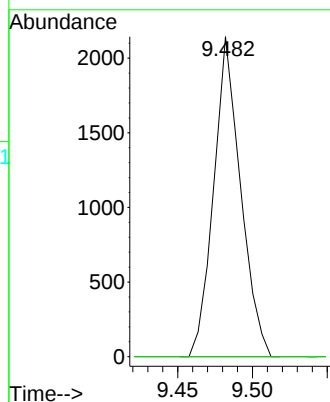
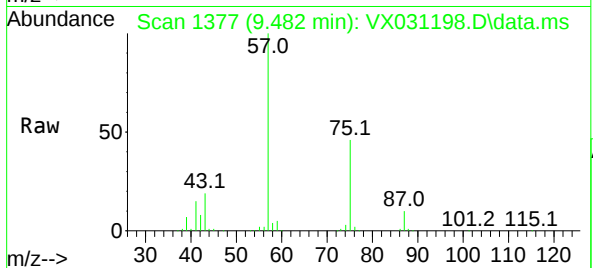
PB147495ZHE#02

Tgt Ion: 76 Resp: 2682

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 30.694 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031198.D

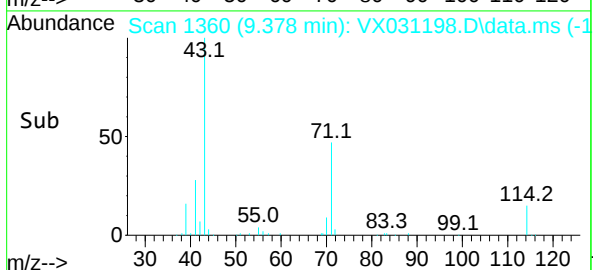
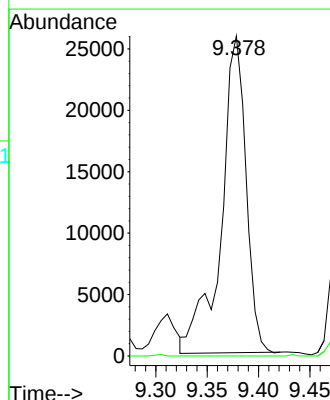
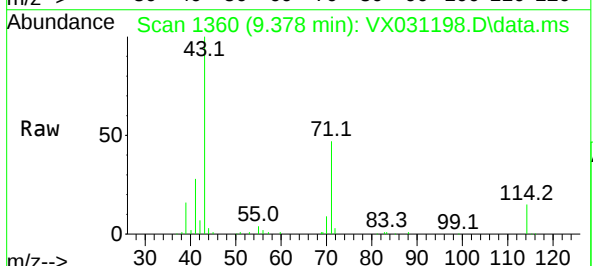
Acq: 08 Sep 2022 08:01

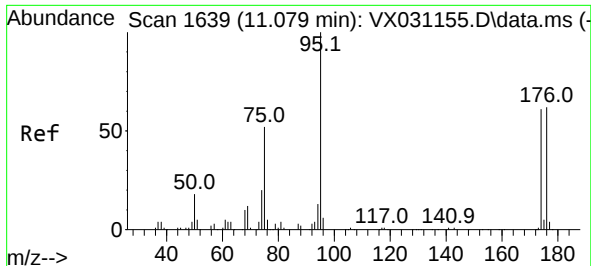
Tgt Ion: 43 Resp: 43161

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 52.534 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

Instrument :

MSVOA_X

ClientSampleId :

PB147495ZHE#02

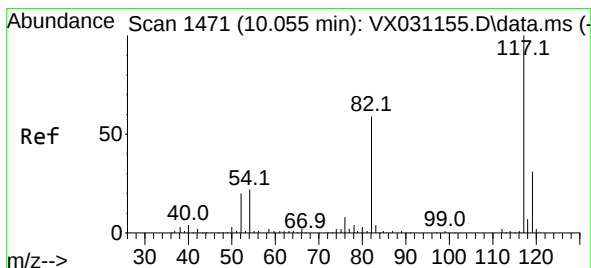
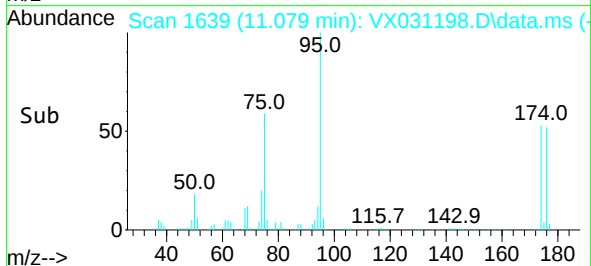
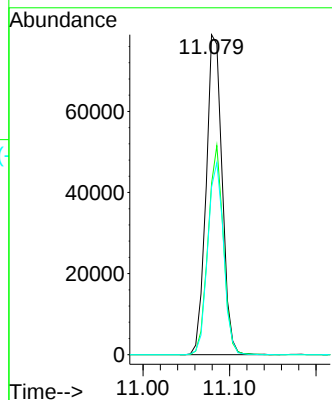
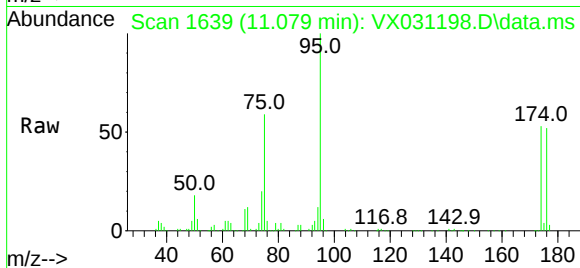
Tgt Ion: 95 Resp: 101403

Ion Ratio Lower Upper

95 100

174 62.1 0.0 149.0

176 59.1 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031198.D

Acq: 08 Sep 2022 08:01

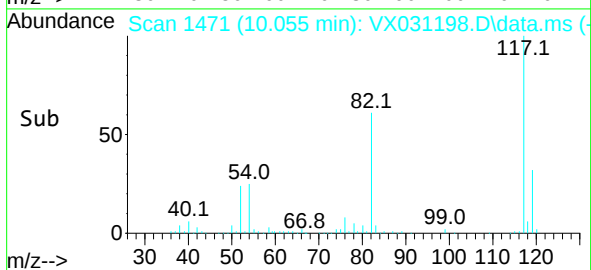
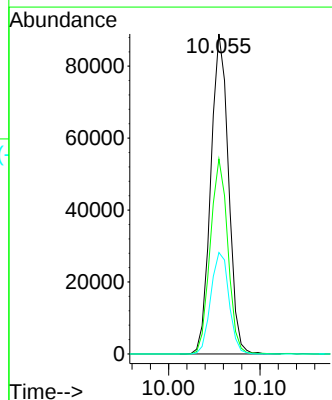
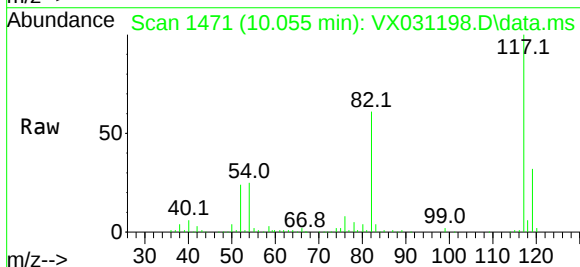
Tgt Ion: 117 Resp: 119384

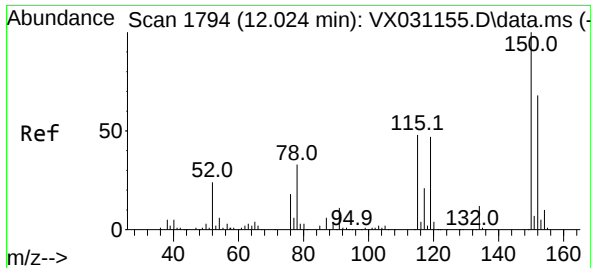
Ion Ratio Lower Upper

117 100

82 60.9 42.7 64.1

119 31.7 25.4 38.2

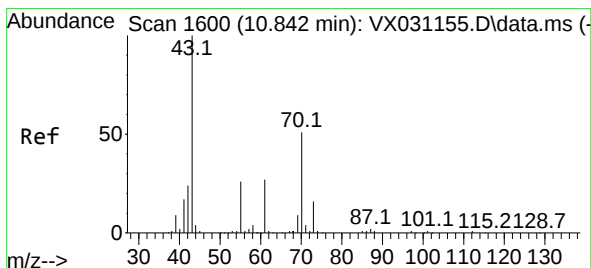
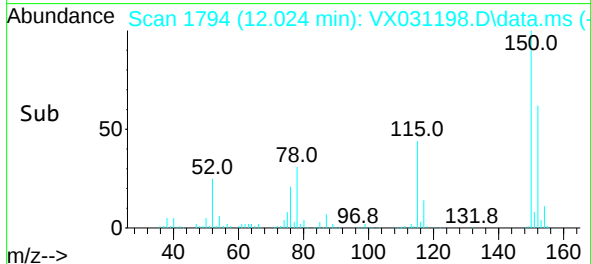
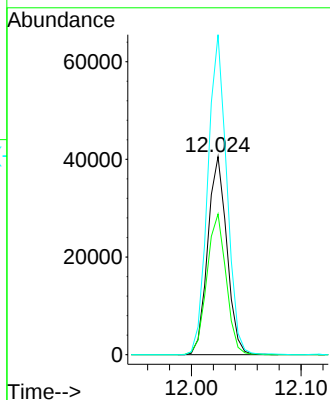
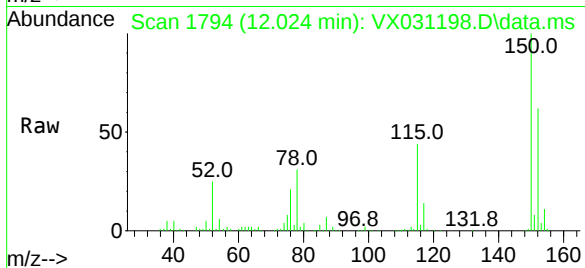




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

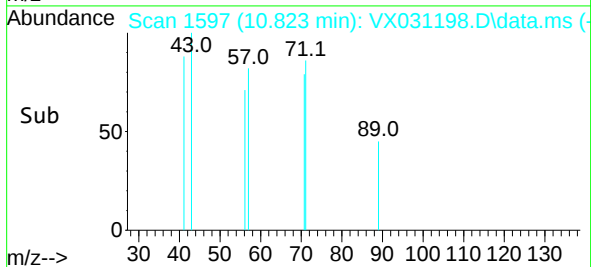
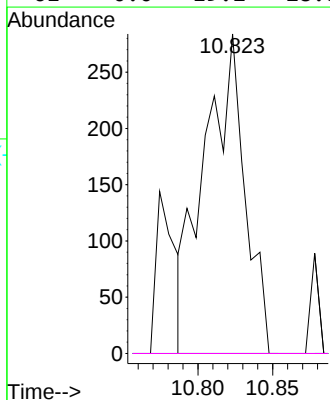
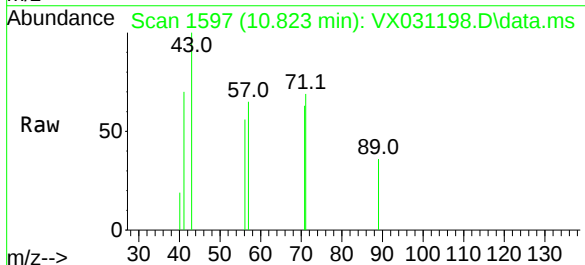
Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

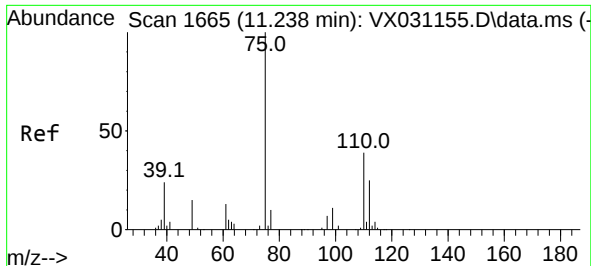
Tgt Ion:152 Resp: 49069
Ion Ratio Lower Upper
152 100
115 71.6 40.5 121.5
150 160.6 0.0 347.0



#74
N-ethyl acetate
Concen: 0.394 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.018 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 43 Resp: 535
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 0.0 18.4 27.6#
61 0.0 19.2 28.8#

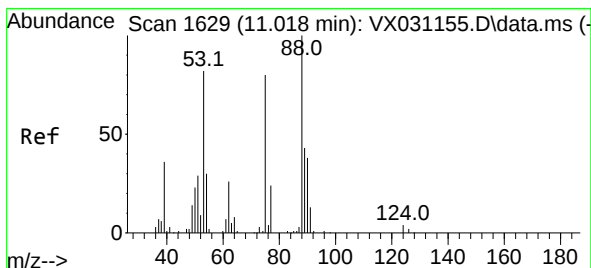
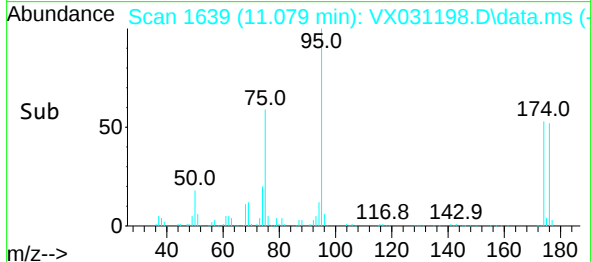
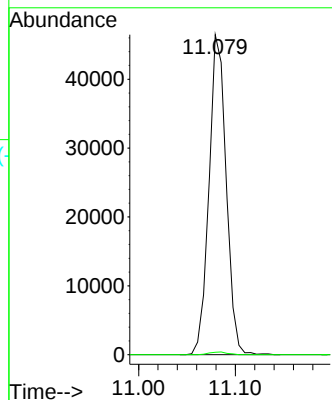
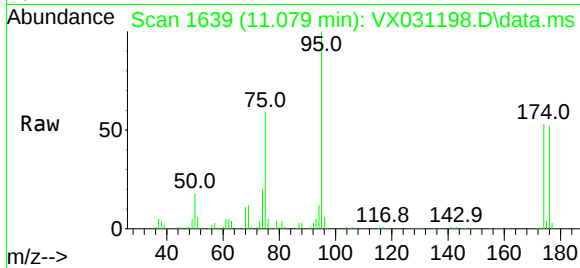




#76
1,2,3-Trichloropropane
Concen: 42.937 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Instrument :
MSVOA_X
ClientSampleId :
PB147495ZHE#02

Tgt Ion: 75 Resp: 57500
Ion Ratio Lower Upper
75 100
77 0.9 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.467 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031198.D
Acq: 08 Sep 2022 08:01

Tgt Ion: 75 Resp: 57500
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

